

SPECIFICATION AMENDMENTS

Please substitute the following paragraph for the paragraph beginning at page 4, line 18:

X The thermocouple leads that extend through reactor vessels are typically mineral or ceramic insulated metal sheathed cables that comprise at least one electrical conductor and typically more, such as metal wires, that are surrounded by compacted mineral or ceramic insulation, such as magnesium oxide, and are enclosed in a protective metal sheath, such as stainless steel. The terminating end of such a cable is illustrated by reference character 10 in Figure 1 where it mates with a first electrical connector housing section 14 which is preferably also constructed from stainless steel. The first electrical connector housing section 14 has a reduced diameter first end that closely surrounds the cable 10 and is formed to be brazed to the stainless steel sheath of the cable 10 at the interface 28. The sheath on the cable is cut back from the electrical leads 32 which extend through the cable 10 and are insulated from one another by the mineral or ceramic insulation retained within the sheath. The end of the sheath is sealed with an epoxy 12 to retain the ceramic insulation. The electrical leads 32, two of which are shown in this embodiment, are threaded through spaced holes in a ceramic spacer 22. The ceramic spacer 22 maintains

K' the electrical separation between the leads 32. The leads 32 are connected to the electrical pins 20 through a suitable connection such as a crimp bucket 21 at the pin 20/leads 32 interface.
